

ABSTRACT

5 A new NEMA-style AC power outlet connector is disclosed that comprises a body portion and a shoulder portion, the body portion is configured for fitting into a standard cutout for a conventional IEC AC power outlet connector. In one version, the IEC AC power outlet connector is an IEC C13 AC power outlet connector having a rectangular mounting cutout with a height of about 1.28 inches and a width of about 0.98 inch. The new NEMA-style connector shoulder portion has a height of about 1.375 inches and a width of about 1.0625 inches and the body portion includes at least one opposing pair of elastic spring clips for retaining the new NEMA-style AC power outlet connector snapped into IEC C13 standard cutout. The new NEMA-style AC power outlet connector is selected from the group consisting of NEMA 5-15R, 125 VAC, 15 amperes; NEMA 6-15R, 250 VAC, 15 amperes; NEMA 5-20R, 125 VAC, 20 amperes; and NEMA 6-20R, 250 VAC, 20 amperes, AC power outlet connectors. In another version the IEC AC power outlet connector is an IEC C19, 250 VAC, 16 ampere, connector with a rectangular mounting cutout, having a height of about 1.180 inches and a width of about 1.496 inches, the IEC C19 shoulder portion has a height of about 1.339 inches and a width of about 2.165 inches and includes a pair of screw mounting holes spaced apart a distance equal to 1.772 inches. The new NEMA-style AC power outlet connector is selected from the group consisting of NEMA 5-20R, 125 VAC, 20 amperes; and NEMA 6-20R, 250 VAC, 20 amperes, AC power outlet connectors. Corresponding IEC C13 and new NEMA AC power outlet connector modules made from 2-6 connectors are disclosed.